21419/90368

DECLARATION AND POWER OF ATTORNEY -- PATENT APPLICATION

As a below named inventor, I hereby declare that I believe I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought in the application entitled:

METHODS AND COMPOSITIONS TO IDENTIFY SWINE GENETICALLY RESISTANT TO F18 E. COLI

the specification of which						
(check one)		is attached hereto	r ·			
(onoth ono)	X	was filed on		r 19, 1999		as
		States Application		09/443,766		or
	PCT In	ternational Applica	tion No.	ĸ		
] [] [] [] [] I hereby declare th	and was	s amended on (if ap	plicable)	ŧ		
I hereby declare the samended by any amended			stand the conte	ents of the above-identified specific	ation, including	the claims
I acknowledge the Regulations, §1.56.	e duty to	disclose information	n which is ma	terial to patentability as defined in	Title 37, Code	of Federal
or inventor's certificate on v	which prio	rity is claimed (as lis	sted below) and	states Code, §119(a)-(d) of any foreid I have also identified below any foon on which priority is claimed:	gn application(reign applicatio	s) for patent on for patent
Prior-Foreign Application(s)				Priority	Claimed
≞ PCT/US98/10318				May 20, 1998	Χ .	·
(Number)		(Country)	,	(Day/Month/Year Filed)	Yes	No
I hereby claim ber below.	nefit unde	r Title 35, United S	tates Code, § 1	19(e) of any United States provision	nal application	(s) listed
60/047,181			May 10, 1	997		
Application Number			Filing Dat	te		
I hereby claim the insofar as the subject matte manner provided by the firm	er of each of st paragra	of the claims of this ph of Title 35, Unit ode of Federal Regu	ed States Code, s application is ted States Code ulations, §1.56	§120 of any United States application not disclosed in the prior United States, §112, I acknowledge the duty to (b) which occurred between the fili	tates applicatio lisclose materia	n in the al



Attorney Docket No.: 21419/90368

Client Ref. No.:

I hereby appoint Alice O. Martin, Reg. No. 35601; William R. Coffey, Reg. No. 24023; Richard D. Conard, Reg. No. 27321; Steven R. Lammert, Reg. No. 27653; Richard A. Rezek, Reg. No. 30796; Timothy E. Niednagel, Reg. No. 33266; Jill L. Woodburn, Reg. No. 39874; Nancy J. Harrison, Reg. No. 27083; R. Trevor Carter, Reg. No. 40549; Dilip A. Kulkarni, Reg. No. 27510; David B. Quick, Reg. No. 31993; Jill T. Powlick, Reg. No. 42088; Norman J. Hedges, Reg. No. 44151; Perry Palan, Reg. No. 26213; Mark M. Newman, Reg. No. 31472; Bobby B. Gillenwater, Reg. No. 31105; Paul B. Hunt, Reg. No. 37154; Michael S. Gzybowski, Reg. No. 32816; Gerard T. Gallagher, Reg. No. 39679; Robert D. Null, Reg. No. 40746; and Gregory S. Cooper, Reg. No. 40965, as attorneys of record with full power of substitution and revocation, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith, and I specify that communications regarding the application be directed to:

BARNES & THORNBURG 2600 Chase Plaza 10 South LaSalle Street Chicago, Illinois 60603 (312) 357-1313

information and belief are believed to be true; and further t statements and the like so made are punishable by fine or in States Code, and that such willful false statements may jeon	f my own knowledge are true and that all statements made on that these statements were made with the knowledge that willful fal mprisonment, or both, under Section 1001 of Title 18 of the United pardize the validity of the application or any patent issued thereon.
Brad T. Bosworth Full Name of Sole or First Joint Inventor	Country of Citizenship
an rame of 5000 of 2 not 5 one 2m / 5 most	•
nventor's Signature	Date
·	• • •
<u> </u>	• •
esidence and Post Office Address	
eter Vögeli	Switzerland
ull Name of Second Joint Inventor	Country of Citizenship
P. Vorale	January 25, 2000
nventor's Signature	Date
Adamengaesschen	
B180 Buelad Buelach Zurich SWITZERLAND	
Residence and Post Office Address	•

Attorney Docket No.:	21419/90368	

Client Ref. No.:

DECLARATION AND POWER OF ATTORNEY -- PATENT APPLICATION

As a below named inventor, I hereby declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought in the application entitled:

METHODS AND COMPOSITIONS TO IDENTIFY SWINE GENETICALLY RESISTANT TO F18 E. COLI ASSOCIATED DISEASES

ASSOCIATED DISEASI						
the specification of which						
(check one)		is attached hereto)			
	X	was filed on	Novemb	er 19, 1999		as'
	United	States Application	Serial No.	09/443,766		or
	PCT In	ternational Applica	ation No.			
□ □ □ 早 ■ I hereby declare th	and wa	s amended on (if ap	pplicable)	·		·
as amended by any amendr	ment refer	rred to herein.		tents of the above-identified specifi		
I acknowledge the Regulations, §1.56.	e duty to	disclose information	on which is m	aterial to patentability as defined i	n Title 37, Cod	e of Federal
I hereby claim fore or inventor's certificate on v	vhich prio	ority is claimed (as li	isted below) ar	States Code, §119(a)-(d) of any fore and I have also identified below any fore tion on which priority is claimed:	eign application oreign application	(s) for patent on for patent
The state of the s					Priority	Claimed
PCT/US98/10318	•)			May 20, 1998	X	
(Number)		(Country)		(Day/Month/Year Filed)	Yes	No
I hereby claim ber below.	iefīt unde	r Title 35, United S	States Code, §	119(e) of any United States provis	ional application	n(s) listed
60/047,181			May 10,	1997		
Application Number		'	Filing D	ate		
insofar as the subject matte manner provided by the first	r of each st paragra itle 37, C	of the claims of this iph of Title 35, Unit ode of Federal Reg	is application interest of ited States Cocyulations, §1.5	e, §120 of any United States applic is not disclosed in the prior United de, §112, I acknowledge the duty to 6(b) which occurred between the fi oplication:	States application disclose materi	on in the ial
(Application Serial No.)		. (Filing	g Date)	(Status-patente	ed, pending, aba	indoned)

Attorney Docket No.:	21419/90368	
Client Ref. No.:		-

I hereby appoint Alice O. Martin, Reg. No. 35601; William R. Coffey, Reg. No. 24023; Richard D. Conard, Reg. No. 27321; Steven R. Lammert, Reg. No. 27653; Richard A. Rezek, Reg. No. 30796; Timothy E. Niednagel, Reg. No. 33266; Jill L. Woodburn, Reg. No. 39874; Nancy J. Harrison, Reg. No. 27083; R. Trevor Carter, Reg. No. 40549; Dilip A. Kulkarni, Reg. No. 27510; David B. Quick, Reg. No. 31993; Jill T. Powlick, Reg. No. 42088; Norman J. Hedges, Reg. No. 44151; Perry Palan, Reg. No. 26213; Mark M. Newman, Reg. No. 31472; Bobby B. Gillenwater, Reg. No. 31105; Paul B. Hunt, Reg. No. 37154; Michael S. Gzybowski, Reg. No. 32816; Gerard T. Gallagher, Reg. No. 39679; Robert D. Null, Reg. No. 40746; and Gregory S. Cooper, Reg. No. 40965, as attorneys of record with full power of substitution and revocation, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith, and I specify that communications regarding the application be directed to:

BARNES & THORNBURG 2600 Chase Plaza 10 South LaSalle Street Chicago, Illinois 60603 (312) 357-1313

	own knowledge are true and that all statements made on
information and belief are believed to be true; and further that the	
statements and the like so made are punishable by fine or imprisorates Code, and that such willful false statements may jeopardi	
Estates Code, and that such within faise statements may jeopardi	ze the validity of the application of any patent issued thereon.
:	h 2 5
Brad T. Bosworth	- M. 3. Å.
Full Name of Sole of First Joint Inventor	Country of Citizenship
3/1/s/m	fab 15 2000
Inventor's Signature	Date
Alicia Court	
- Alicia Court - Alicia Court - REC 18 19 19 19 19 19 19 19 19 19 19 19 19 19	· · · · · · · · · · · · · · · · · · ·
Residence and Post Office Address	
•	•
Peter Vögeli	Switzerland
Full Name of Second Joint Inventor	Country of Citizenship
	•
Inventor's Signature	Date
Adamenghessdhen #12	
8180 Buelad	
Zurich SWITZERLAND	
Residence and Post Office Address	~ U.S. 4451 Wood bury Loop Morgantown KY 42261
Residence and Post Office Address	~ U.S. 4431 333, 307, 42261
A Canada	Morgentown 15
	w.s.A.